FIG. 1

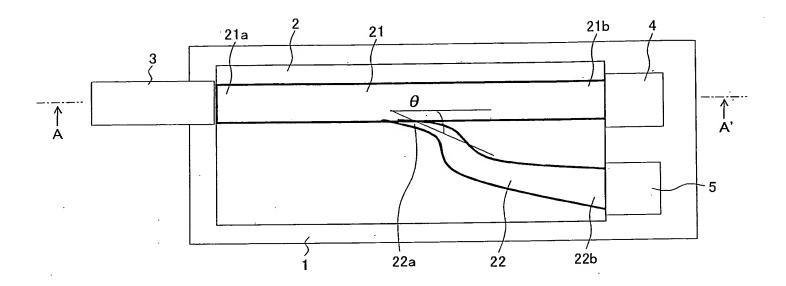
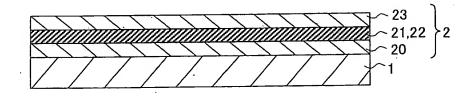
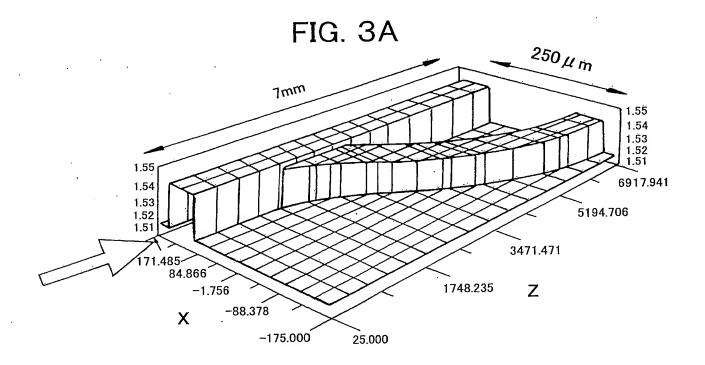
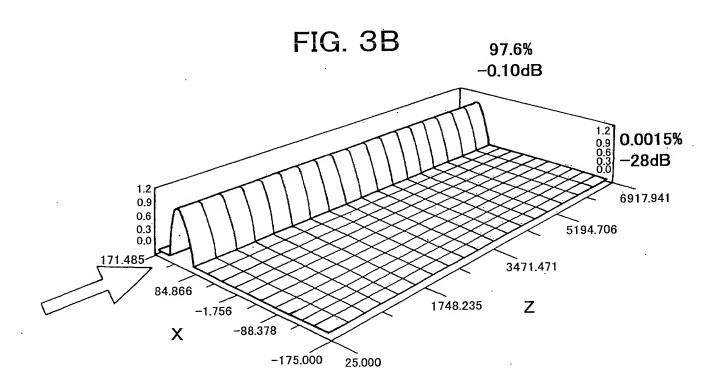


FIG. 2



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FIG. 4A

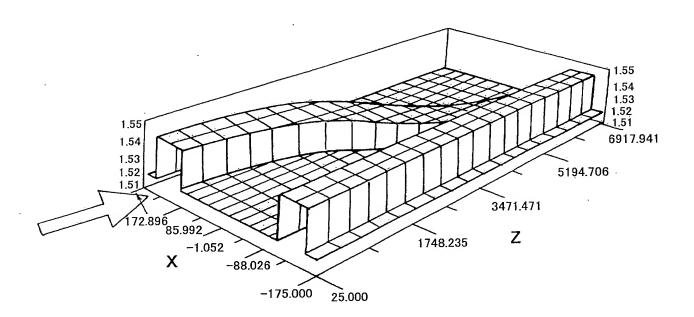
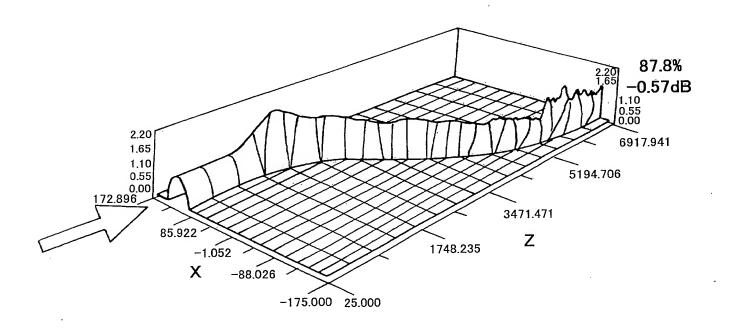


FIG. 4B



OPTICAL WAVEGUIDE AND OPTICAL TRANSMITTING/RECEIVING MODUL 10/541088

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LIST OF REFERENCES

- 1...substrate
- 2...optical waveguide
- 5 3...optical fiber
 - 4...light receiving element
 - 5...light emitting element
 - 20...cladding portion
 - 21...first waveguide core portion
- 10 21a...common transmitting and receiving port
 - 21b...receiving port
 - 22...second waveguide core portion
 - 22a...branching portion
 - 22b...transmitting port
- 15 23...cladding portion